

Bismarck State College

Bismarck State College, an innovative community college, offers high quality education, workforce training, and enrichment programs reaching local and global communities.

Current Semester: Fall 2018

Course: BIOL 115 Human Structure and Function

Credit Hours: 3

Instructor Contact Information:

Ron Jyring, Associate Professor of Biology
201C Jack Science Center, (701) 224-5493
ronald.jyring@bismarckstate.edu
Office Hours: M-F: 11:00; & by appointment

Course Materials: *Understanding Anatomy & Physiology*, by Gale Sloan Thompson, 2nd edition

(the earlier edition is acceptable)

Course Description: This course, in conjunction with Human Structure and Function Lab (BIOL 115), is designed to be an introduction for students planning to take higher level anatomy and physiology courses. The course will include a wide range of topics associated with the human body. When taken with the associated lab, this course will fulfill the lab science requirements for non-science major students.

Course Outcomes:

Course Learning Outcomes	Institutional Essential Learning Outcomes (IELOs)
Understand the anatomy and physiology of the human body in order to determine the root causes and solutions for diseases/diagnoses using relevant terminology	Thought – Problem Solving

* The BSC Institutional Essential Learning Outcomes can be found at <https://bismarckstate.edu/uploads/0/BSCsInstitutionalEssentialLearningOutcomes.pdf>

Unit Objectives: Students successfully completing this course will demonstrate an understanding of the structure and function of the human body as well as a basic understanding of homeostatic mechanisms. The students will also become familiar with several organ systems including digestive, urinary, reproductive, skeletal, muscular, nervous, and cardiovascular.

Active Learning: In addition to educational strategies such as reading, listening, and reflecting, when appropriate this class makes use of learning techniques commonly

known as active learning. Students should expect to participate in active learning techniques such as discussions and presentations, small group activities, writing, problem-solving, movement, case studies, role-playing, etc. These activities promote analysis, synthesis, and evaluation of class content in order to improve student learning outcomes.

Assessment Methods: Student achievement will be assessed using exams, quizzes, assignments and contributions to group discussions.

Grading: A (90-100%) B (80-89%) C (70-79%) D (60-69%) F (<60%)

Attendance/Makeup: Attendance is REQUIRED. No makeup assignments are given.

Policies and Procedures:

Academic Honor Code: Students at BSC are expected to be honorable in behavior and above reproach in pursuit of their academic achievements. Cheating, plagiarism, or collusion in class work, laboratory performance, shop work, or test taking is unacceptable and subject to disciplinary action. More information can be found

at <https://bismarckstate.edu/uploads/resources/356/studentacademichonorcode.pdf>.

Accessibility: If you have a disability that may limit your ability to fully participate in this class, please contact the Student Accessibility Office (SAO) at (701) 224-2575. Personnel from the SAO will work with you and your instructor to arrange for reasonable accommodations after you have completed the registration process and it has been determined that you qualify.

Camera/Video Recording: Photographic, audio, and video recording of this class and/or the instructor are prohibited unless specifically requested by a student and approved/authorized in writing by the instructor or the Student Accessibility Office.

Email: Please note that I will only correspond with students through their **BSC email account**. Student Email Policy states: "In an effort to protect student privacy and better ensure student authenticity, official email exchanged between registered students and BSC personnel requesting a response shall require the response be exchanged from the student's official email address

(i.e., [NDUS ID@bismarckstate.edu](mailto:NDUS_ID@bismarckstate.edu)). This policy is for the protection of faculty, staff, and students." More information can be found

at <https://bismarckstate.edu/uploads/resources/1197/studentemailpolicy.pdf>.

Military/Veteran Statement: If you are currently or have served in the military, please contact the Veterans Services Office at (701) 224-2576 regarding services/benefits to which you may be entitled.

Drop/Withdrawal Deadlines: Term dates can be found on Campus Connection in the class details. Drop and withdraw dates for each term can be found at <https://bismarckstate.edu/academics/records/calendarsdeadlines/>.

Student Rights and Responsibilities: Student rights and responsibilities along with student policies can be found

at https://issuu.com/bismarckstatecollege/docs/bsc_student_rights_and_responsibili?e=19734813/52188116.

Title IX: For more information on sexual misconduct/Title IX please go to the BSC home page (www.bismarckstate.edu), scroll to the bottom and click on Title IX.

Guest Speaker Statement: Bismarck State College is committed to presenting timely, innovative educational opportunities for its students. As part of those efforts, BSC faculty may invite guest speakers to address the student members of this course. Under FERPA regulations, such guest speakers are considered volunteers who serve a legitimate educational interest to institutional services or functions. Guest speakers will be informed by the faculty member of their responsibilities under FERPA to ensure student privacy. For more information, please visit the Department of Education's FERPA Student Privacy webpage at <https://studentprivacy.ed.gov/>

Course Outline and Tentative Schedule:

WEEK	TOPICS	READ
1	Course Home Orientation to the Human Body	Syllabus Chapter 1
2	Chemistry	Chapter 2
3	EXAM 1A (9/3 - 9/4) Cells	Chapter 3
4	Tissues	Chapter 4
5	EXAM 1B (9/17 - 9/18) Bones and Bone Tissues	Chapter 6
6	Skeleton	Chapter 7
7	Muscles and Muscle Tissue	Chapter 9
8	EXAM 2 (10/8 - 10/9) Nervous System	Chapter 10
9	Nervous System (continued)	Chapter 10
10	Digestive System	Chapter 20
11	Urinary System	Chapter 18
12	EXAM 3 (11/5 - 11/6) Male Reproductive System	Chapter 23
13	Female Reproductive System	Chapter 23
14	Heart	Chapter 14
15	Vascular System	Chapter 15

16	EXAM 4 (12/3 - 12/4) Review	
Finals Week	FINAL EXAM (12/10 - 12/11)	

Additional Information:

*My Academic Background: I am an Associate Professor of Biology at Bismarck State College. Prior to this position, I was an Instructor at Midlands Technical College in South Carolina, and before that, a Post-doctoral Fellow at the University of South Carolina. As an undergraduate, I double-majored in Biology and Anthropology at the University of Minnesota, Duluth, and then earned a Ph.D. in Anatomy from the University of North Dakota.

*Changes: I reserve the right to make changes to this syllabus as needed.

Assignments: Exercises are assigned to enhance the quality of learning. If assigned exercises are not turned in by the scheduled time, a zero will be given for the assignment, and it will not be accepted at a later date.

Assignments are to be completed using a word processor and saved in Microsoft Word (preferred) or rich text format (RTF). The written assignments may be graded on content, length, spelling, grammar and neatness. Written assignments (including study questions) are required to be completed using:

- One inch margins
- Paragraph double-spacing, indenting the first line of each paragraph.
- Times New Roman, 12 point font. For Study Questions, I recommend that you write the answers in bold or in a different color font. This will make studying easier for you.
- Include "Course ID" (BIOL 115, Assignment Name, Your Name) at the top of the first page.

Discussion Activities: The discussion activities in each unit are evaluated using the rubric below. All discussions are focused on anatomy, physiology or topics pertaining to their study. Discussions may ask you to apply past experience or lessons learned to present topics. Always attempt to answer the discussion question in your first response. Access the discussions from the links within each unit on the navigation menu on the left of the screen.

Points	Performance Expectations
5	Responds to the initial question according to the dates on the schedule, fully addressing the questions. Replies with a substantive post to two or more peers and follows up on questions asked of you while the discussion is current according to the schedule. Note: A "substantive reply" is one that acknowledges what peers have said, expands on what was said, asks questions, or otherwise re-engages and expands the discussion.
3	Responds to the initial questions, but may not be timely according to the schedule or the response does not fully address the question. You reply with

	a substantive post to one or more peers, but may not follow up on questions asked of you.
1	Response to the initial question is incomplete, posted after the discussion is current, replied to peers with a non-substantive response, failed to re-engage with others during the time the discussion is current according to the schedule.
0	No participation

Study Quizzes: Quiz items are all autoscored upon submission but final grades will not be posted in the Grade Center until the week is ended. The items allow for unlimited attempts – the instructional strategy here is that you can master the content by retaking the quizzes as many times as necessary to get a 100%. The Study Quizzes are worth 5 points each. All are required.